REV	BRIEF DESCRIPTION OF CHANGE	ECO	DATE	BY	APPR

SEE SHEET 13

SH 9 ADVDLY — ADV SYNC DELAY — TP55

C204 0.1 — C205 0.1 — R252 100K — U89 CD4098 (VDD, CX, +TR, -TR, RESET, RX, Q1, Q1, VSS)

C164 0.1 — U78 CD4049 — U96 EL7212 — R267 33 — DS9 MV5774 — R268 560 — J12 4 Q-SWITCH 3 ADV SYNC

C161 0.1 — U76 CD40109B (EN, A, VCC, E) — R204 10K

C209 0.1 — U92 HCPL-2400 — R262 220 — R260 22 — CR48 5.1V — R261 51 — J9 4 ANALOG STROBE 3 PIV OSC2

W8 PIV — PIV — STROBE J21 43 — INT8 SH 1 — PIV J21 20 — J21 19 — J21 21

SH 3 INT35 — SH 1,9 INT7 — SH 1 INT12 — SH 3 EXT LMP

SH 3, 10 INT9 — U34 CD4049 — U76 CD40109B

J8 LAMP TRIGGER — R257 22 — R259 220 — R258 51 — CR47 5.1V — C208 0.1 — U91 HCPL-2400

SINGLE SHOT/REP ENABLE 1=REP

SINGLE SHOT FIRE

U50 CD4049 — C50 220PF — CR15 1N914 — R62 10K — C49 0.1 — U20 CD4027 (SET, J, K, CLK, RESET, Q, Q) — C51 0.1 — U21 CD4098 — R63 10K

C52 0.1 — R64 15K 1% — U21 CD4098 — C53 100PF

C206 0.1 — R253 100K — U89 CD4098 — U78 CD4049 — C211 0.1 — C213 10 TANT — U94 EL7212 — R223 51 — PRO SYNC J2 32 — R266 33 — J10 4 LAMP SYNC OUT 3 — R265 560 — DS8 MV5774

U60 CD4049 — U94 EL7212 — 24 J25 LAMP TRIGGER

FIXED 1150 NSEC DELAY

SH 9 850NSDLY — Q-SW

SH 3 INT39 — LP

C219 0.1 — U40 CD4086 (VDD, ENABLE, INHIBIT, VSS)

Q SWITCH FIRE ENABLE

LONG PULSE ENABLE

EXT Q-SW ENABLE

C174 0.1 — U83 CD4042 (VDD, D1–D4, CLK, POL, Q1–Q4, VSS) — Q-SW, EXT, LP

SH 1,9 INT4 — SH 1,9,11 INT6 — SH 1,9 INT5 — SH 3 INT37

C175 0.1 — U84 CD4028 (VDD, A–D, 0–9, VSS)

C87 0.1 — U38 CD4071

R31 10K — Q1 VN10KM — Q2 VN10KM

C145 0.1 — U69 CD4072 (VDD, VSS)

U20 CD4027 — HIGH IF OK — C76 0.1 — U34 CD4049 — R43 6.8K — Q12 2N3904

+8.8V — R1 10 2W — CR9 1N4007 — C22 .01

R286 100 — 21 J2 FAULT — SH 8

U78 CD4049 — XQSE — SH 12

SH 12 EXTMARX

SH 12 LONGMARX

SH 9 QBLANK — ADD ON, ADD ON

MARXTRIG — SH 12

4 J6 MARX RELAY

5 J6 RETURN MODE

QTY	ITEM	PART NUMBER	DESCRIPTION

	NAME	DATE
DFTS.	B.PATRICK	1/97
CHK.		
ENG.	S.LAWRENCE	1/97
MFG.		

Spectra-Physics — MOUNTAIN VIEW CA 94042

TOLERANCES, UNLESS OTHERWISE SPECIFIED: .X ± mm ± .XX ± ANGLES: ± .XXX ± SURF.FIN: ± ✓

CONFIDENTIAL SPECTRA-PHYSICS PROPRIETARY

GENERAL TOLERANCES PER S-P DOCUMENT NO. C-5124

MODEL	NEXT ASSY.

SCHEMATIC, MAIN CONTROL P.C.B.

FINISH:

SCALE	SIZE	DRAWING NUMBER	SHEET	REV.
NONE	D	0452-9680	4 OF 13	1

FILE:MAIN4.SCH